

Converting Colors

CIELCh(17, 12.902, 233.922)

Have a look what the booklet for
CIELCh(17, 12.902, 233.922)
contains.

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Color

CIELCh(17, 13.019, 233.994)

Conversions

Conversions Part 1

Format	Color
Hex	0D2E39
RGB	13, 46, 57
RGB Percent	5%, 18%, 22%
CMY	0.9507, 0.8209, 0.7778
CMYK	0.78, 0.19, 0.00, 0.78
HSL	195°, 64%, 14%
HSV	195°, 78%, 22%
XYZ	1.8537, 2.3023, 4.1725
YIQ	37.3870, -23.1990, -3.5750

Conversions

Conversions Part 2

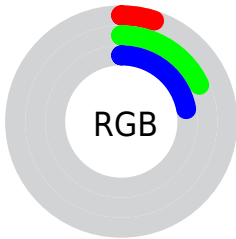
Format	Color
R_{YB}	13, 32, 57
Decimal	863801
CIE _{Lab}	17.00, -7.65, -10.53
CIE _{LCh}	17, 13.019, 233.994
Yxy	2.3023, 0.2226, 0.2764
Android (android.graphics.Color)	4279053881 (0xFF0D2E39)
YUV	37.3870, 9.6692, -21.3874
Hunter-Lab	15.1734, -4.7463, -5.6826

Details

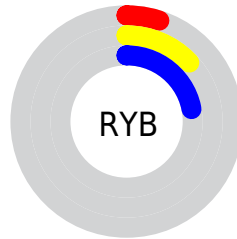
The CIELCh color **17, 13.019, 233.994** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **13, 20.842, 42.539**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 13.126, 232.875**, and **0, 4.948, 286.966** is the 20% darker color. If you saturate the color by 10%, you get **16, 13.980, 236.371**, and if you desaturate by 10%, it is **18, 11.900, 231.922**.

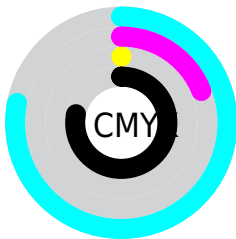
Distribution



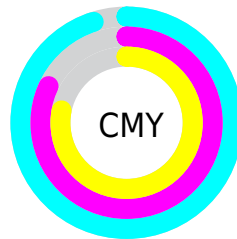
- Red (5%)
- Green (18%)
- Blue (22%)



- Red (5%)
- Yellow (13%)
- Blue (22%)



- Cyan (78%)
- Magenta (19%)
- Yellow (0%)
- Black (78%)



- Cyan (95%)
- Magenta (82%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 13.019, 233.994 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 17, 13.019, 233.994 by changing the saturation by 10% instead.

■ 17, 13.019,
233.994

■ 17, 13.019,
233.994

■ 100, 13.019,
233.994

■ 7, 13.019, 233.994

■ 37, 13.019,
233.994

■ 0, 13.019, 233.994

■ 47, 13.019,
233.994


■ 57, 13.019,
233.994


■ 67, 13.019,
233.994


■ 77, 13.019,
233.994


■ 87, 13.019,


233.994


 97, 13.019,
233.994


 17, 13.019,
233.994


 17, 13.019,
233.994

 16, 13.980,
236.371

 18, 11.900,
231.922

 16, 14.984,
238.425

 19, 10.586,
230.234

 15, 15.215,
238.826

 19, 9.089, 228.873

 20, 7.425, 227.785

 21, 5.616, 226.925

 22, 3.684, 226.259

■ 23, 1.647, 225.795

■ 24, 0.473, 44.787

■ 25, 2.660, 44.847

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



17, 13.019, 233.994



13, 20.842, 42.539

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



17, 13.019, 233.994



17, 13.019, 283.994



17, 13.019, 53.994



17, 13.019, 103.994

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



17, 13.019, 233.993



29, 5.861, 226.659



20, 29.018, 144.821



13, 4.081, 226.760



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17, 13.019, 233.993



22, 17.535, 239.219



9, 23.970, 289.459



10, 1.160, 225.812



27, 21.313, 242.614



63, 40.923, 246.682

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



11, 28.126, 337.374



15, 38.102, 339.127



19, 22.013, 87.421



9, 2.130, 332.731



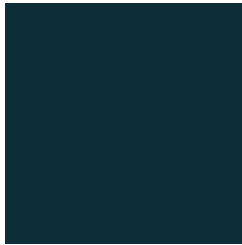
19, 45.808, 340.214



49, 85.051, 341.501

Previews

White Background



This preview shows how the CIELCh color 17, 13.019, 233.994 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 17, 13.019, 233.994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

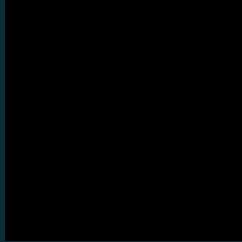
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

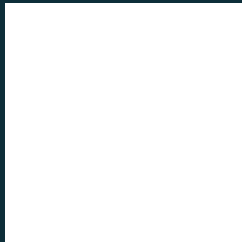
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 17, 13.019, 233.994

Background



This preview shows how black text looks on a background with the CIELCh color 17, 13.019, 233.994.



This preview shows how white text looks on a background with the CIELCh color 17, 13.019, 233.994.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


17, 13.019, 233.994

Protanopia

17, 8.400, 283.556

Deuteranopia

17, 11.229, 282.579



Tritanopia
17, 13.808, 208.592

Trichromacy



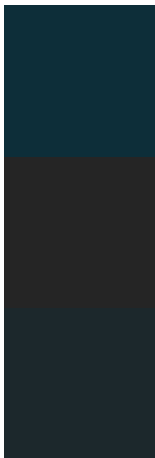
Original Color
17, 13.019, 233.994

Protanomaly
17, 9.801, 257.895

Deuteranomaly
17, 11.641, 263.409

Tritanomaly
17, 13.265, 215.597

Monochromacy



Original Color
17, 13.019, 233.994

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 5.829, 227.564

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 13.019, 233.994 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(13, 46, 57)` looks like.

```
.text, #text, p{  
    color:rgb(13, 46, 57)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(13, 46, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 46, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 13.019, 233.994 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(13, 46, 57) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(13, 46, 57) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(13, 46, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 46, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 46, 57);  
box-shadow:4px 4px 4px 4px rgb(13, 46, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 13.019, 233.994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 46, 57) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(13, 46,  
57) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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